

IN THE CLAIMS

1. (currently amended): A skin dressing, comprising a first dressing component carrying oxidoreductase enzyme in dried condition prior to use; and a second dressing component carrying a source of water prior to use, said first and second dressing components being separated from each other so that there is no fluid communication therebetween prior to use of said dressing, the dressing including a source of substrate for the enzyme, the second dressing component being for location on the skin of a patient with the first dressing component thereabove with the first and second dressing components in fluid communication with each other when the dressing is in use, such that when the first and second dressing components are placed in fluid communication with each other in use, water migrates from the second dressing component towards the first dressing component and acts to hydrate enzyme carried by the first dressing component, at least at the surface of the first dressing component.
2. (original): A dressing according to claim 1, wherein the oxidoreductase enzyme comprises glucose oxidase.
3. (canceled)
4. (currently amended): A dressing according to claim 3 1, wherein the substrate is present in the second dressing component.
5. (previously presented): A dressing according to claim 1, including a supply of iodide ions.
6. (currently amended): A dressing according to claim 1, wherein the first dressing component and second dressing component are in the form of layers.
7. (currently amended): A dressing according to claim 1, wherein the first dressing component comprises a support or carrier carrying the oxidoreductase enzyme.
8. (original): A dressing according to claim 7, wherein the support or carrier comprises dried hydrogel material.

9. (original): A dressing according to claim 8, wherein the hydrogel comprises hydrophilic polymer material.
10. (currently amended): A dressing according to claim 9, wherein the polymer comprises poly(-2-acrylamido-2-methylpropane sulphonic acid) and/or salts thereof.
11. (currently amended): A dressing according to claim 9 or 10, wherein the hydrophilic polymer material is present at a concentration of at least 1%,-preferably at least 2%, more preferably at least 5%, possibly at least 10%, by weight based on the total weight of the gel.
12. (previously presented): A dressing according to claim 1, wherein the second dressing component comprises a support or carrier carrying water.
13. (currently amended): A dressing according to claim 12, wherein the second dressing component comprises a hydrated hydrogel.
14. (original): A dressing according to claim 13, wherein the hydrated hydrogel comprises poly(-2-acrylamido-2-methylpropane sulphonic acid) and/or salts thereof.
15. (currently amended): A dressing according to claim 14, wherein the second dressing component comprises a hydrated hydrogel comprising 20% by weight of poly(-2-acrylamido-2-methylpropane sulphonic acid) and/or a salt or salts thereof.
16. (original): A dressing according to claim 13, 14 or 15, wherein the hydrated hydrogel contains at least 30% by weight water.
17. (original): A dressing according to claim 15, wherein the hydrated hydrogel contains about 60% by weight of water.
18. (currently amended): A dressing according to claim 1, wherein the first and second dressing components both include gel supports comprising the same polymer.

19. (currently amended): A dressing according to claim 18, wherein the first and second dressing components both include polymers that are functionally similar to each other in terms of hydration and water binding behaviour.

20. (currently amended): A dressing according to claim 19, wherein where the second dressing component includes a support of poly(-2-acrylamido-2-methylpropane sulphonic acid) and/or a salt or salts thereof, and the first dressing component includes polyvinyl alcohol.

21. (currently amended): A dressing according to claim 1, wherein the first dressing component includes monomers that are identical or similar to monomers from which a polymeric support of the second dressing component is formed.

22. (previously presented): A dressing according to claim 1, wherein the first dressing component includes one or more hydration enhancers.

23. (currently amended): A dressing according to claim 22, wherein the hydration enhancer is selected from dried sugars, especially sucrose and trehalose, glycerol and sorbitol.

24. (currently amended): A dressing according to claim 1, wherein the first dressing component comprises a support of dried hydrogel formed from 10% by weight poly(-2-acrylamido-2-methylpropane sulphonic acid) and/or a salt or salts thereof, carrying enzyme, and the second dressing component comprises a support of hydrated hydrogel comprising 20% by weight of poly(-2-acrylamido-2-methylpropane sulphonic acid) and/or a salt or salts thereof.

25. (currently amended): A dressing according to claim 1, wherein the first and/or second dressing component includes one or more moisturiser materials.

26. (previously presented): A dressing according to claim 1, including a covering or outer layer for adhering the dressing to the skin of a human or animal subject.

27. (currently amended): A dressing according to claim 1, wherein the first and second components are separately sealed in respective separate sealed packages prior-to-use.

28. (new): A method of treating the skin of a human or animal using a skin dressing comprising a first dressing component carrying oxidoreductase enzyme in dried condition, and a second dressing component including a source of water, the dressing including a source of substrate for the enzyme, the method comprising placing the second dressing component on a region of skin to be treated, and placing the first dressing component on the second dressing component with the first and second dressing components in fluid communication with each other such that water migrates from the second component towards the first component and acts to hydrate enzyme carried by the first component, at least at the surface of the first component.

29. (new): A dressing according to claim 11 wherein the concentration of the hydrophilic polymer material is at least 5% by weight based on the total weight of the gel.

30. (new): A dressing according to claim 11 wherein the concentration of the hydrophilic polymer material is at least 10% by weight based on the total weight of the gel.

31. (new): A dressing according to claim 23 wherein the dried sugar is selected from the group consisting of sucrose and trehalose.